

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-003065**Date Inspected:** 25-Feb-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** Sub-Assemblies (Tower).**Bid Item:** 77,78,79**Lot No:****Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason Jr. arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections is to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Sub-Assemblies (Tower)

Tower Head Internal Surfaces WSD1-TL6-4 and ESD1-TL6-2, NOI Number T1979: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Tower Head Internal Surfaces WSD1-TL6-4 and ESD1-TL6-2. Test results recorded x3 surface profile readings of 72 to 77 µm and x1 soluble salts reading of 12.2 (µs/cm). No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Tower Skirt Plates Internal Surfaces (11 Each), NOI Number T1980: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Tower Skirt Plates Internal Surfaces (11 Each) for dry film thickness (DFT) compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to holidays and low DFT readings.

Tower Skirt Plates External Surfaces (12 Each), NOI Number T1981: In preparation for mist coat installation of Interfine 979 Polysiloxane, the Interzinc 22 undercoat on Tower Skirt Plates External Surfaces (12 Each) was

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tested in accordance with SSPC-SP 1 (Surface Cleanliness). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection prior to proceeding with process to the next check point due to holidays and wet Interzinc 52 undercoat.

Tower Skirt Plates (11 Each), NOI Number T1982: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Tower Skirt Plates Internal Surfaces (11 Each) for dry film thickness (DFT) compliance. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Tower Skirt Plates (12 Each), NOI Number T1983: In preparation for mist coat installation of Interfine 979 Polysiloxane, the Interzinc 22 undercoat on Tower Skirt Plates (12 Each) was tested in accordance with SSPC-SP 1 (Surface Cleanliness). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection prior to proceeding with process to the next check point due to holidays and wet Interzinc 52 undercoat.

Office

This Quality Assurance Inspector (QA) reviewed, recorded, and entered data from notice of inspection requests for the purpose of tracking and compliance to contract documents.

Note: Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By:	Cason,Kenneth
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Quality Assurance Inspector

Reviewed By:	Miller,Mark
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QA Reviewer
